CONTENTS

Hiroshima J. Med. Sci.
March 1990 volume 39 number 1

1 The Association of Halothane-Induced Lipid Peroxidation with the Anaerobic Metabolism of Halothane: An *In Vitro* Study in Guinea Pig Liver Microsomes. *Nobuyoshi SATO, Kohyu FUJII, Osafumi YUGE and Michio MORIO*

7 The Effect of Timing on Gliclazide Absorption and Action. *Fukashi ISHIBASHI and Seiryo TAKASHINA*

11 Effects of ATP Depletion with DL-Ethionine on Biliary Excretion of Indocyanine Green in the Rat. *Yoshiki SHIBA and Yoshinobu KANNO*

15 A Heterotopic Cardiac Transplantation Model for Evaluation of Rejection Using Transvenous Endomyocardial Biopsy. *Taijiro SUEDA, Yuichiro MATSUURA, Takeshi MATSUSHIMA, Shogo MUKAI and Hiroki KAJIHARA*

19 Autosomal Fragile Site at 2q13 in a Proband with Mental Retardation. *Toshio KUMADA, Tetsuji KADOTANI, Suzue KANATA, Yoko WATANABE, Noriko KUROSAKI and Osam TOI*

June 1990 volume 39 number 2

23 Lymphocyte Subpopulations in Peripheral Blood and the Spleen from Gastric Cancer Patients. *Katsumasa KUROI, Yukio SATO, Takahiko TAKAYAMA, Nobutoshi BABA, Yoshiyuki YAMAGUCHI and Tetsuya TOGE*

29 Gastric Carcinoma with Lymphoid Stroma: Pathological and Immunohistochemical Analysis. *Hisao ITO, Hirohisa MASUDA, Fumio SHIMAMOTO, Chiaki INOKUCHI and Eiichi TAHARA*

39 A Clinical and Cytogenetic Study of Institutionalized Mental Retardates. *Toshio KUMADA*

57 Microalbuminuria in Subjects with no History of Diabetes Mellitus and Hypertension: The Relationship with Hyperglycemia and High Blood Pressure at Non-Diagnostic Level. *Fukashi ISHIBASHI, Kazufumi ISHIDA and Seiryo TAKASHINA*

September 1990 volume 39 number 3

61 Coronary Sclerosis Risk Factors in Males with Special Reference to Lipoproteins and Apoproteins: Establishing an Index. *Masahiro KAWANISHI, Atsuko NAKAMOTO, Gen KONEMORI, Itaru HORIUCHI and Goro KAJIYAMA*

65 β-lactamase in Gram-negative Rods: the relationship between penicillinase and R plasmids in Gram-negative rods. *Yoshio TAKESUE, Takashi YOKOYAMA, Takashi KODAMA, Yoshiaki MURAKAMI, Hitoshi SEWAKE, Katsunari MIYAMOTO, Yuuji IMAMURA, Hiroaki TSUMURA and Yuichiro MATSUURA*

71 Expression of the Multidrug Resistance Gene in Human Tumors. *Rungsa KIM*

79 Effects of L-2-oxothiazolidine-4-carboxylate, a Cysteine Pro-drug, on Teratogenicity of 5-fluorouracil in Mice. *Masato NAYA, Masanori NOGUCHI, Youichi MATAKI, Takashi DEGUCHI and Mineo YASUDA*

83 An Investigation of Vascular Anatomy and Microvascular Architecture of the Brainstem in Cats. *Toshinori NAKAHARA, Shuichi OKI, Zainal MUTTAQIN, Yoshio TOKUDA, Katsuya EMOTO, Satoshi KUWABARA and Tohru UOZUMI*

89 Effect of Leukotriene B_4 on Enhancement of Superoxide Production Evoked by Formyl-Methionyl-Leucyl-Phenylalanine in Myeloid Differentiated HL-60 Cells: Possible Involvement of Intracellular Calcium Influx and High Affinity Receptor for Leukotriene B_4. *Yoshiaki HARADA*

December 1990 volume 39 number 4

95 Immunophenotype, Histopathology and Clinical Stage: Their Predictive Value in the Prognosis of non-Hodgkin's Lymphomas. *Deodatus M. MTASIWA, Nobutaka IMAMURA, Tominari INADA, Yasuo TAKIMOTO, Kosuke OKADA, Koji NANBA, Hideki ASAOKU and Atsushi KURAMOTO*

103 Changes of Brainstem Auditory Evoked Responses (BAERs) in a Brain Stem Ischemic Model Using Embolization Technique in Cats, a Preliminary Study. *Zainal MUTTAQIN, Shuichi OKI, Kazunori ARITA, Toshinori NAKAHARA, Yoshio TOKUDA, Hiroaki KOHNO, Katsuya EMOTO, Satoshi KUWABARA and Tohru UOZUMI*

109 Analysis of Cellular Immunity in Patients with Graves' Disease. *Masatoshi TAKAISHI, Kyoko KOBUKE, Mitoshi AKIYAMA, Hitoshi HARA and Michio YAMAKIDO*

115 A Comparative Study on Reductive Dehalogenation of Halothane in Liver, Kidney and Lung of the Rabbit. *Tetsuhide INOUE, Kohyu FUJII, Hirosato KIKUCHI, Osafumi YUGE and Michio MORIO*

119 Alteration of Muscarinic Receptor Subtypes in CA1 field of Hippocampus in Senile Dementia of Alzheimer Type: an autoradiographic study. *Sadao KATAYAMA, Shozo KITO, Yasuhiro YAMAMURA, Eiichi TAHARA and Ichiro KANAZAWA*

125 Effects of *in vivo* Pretreatment with Various Barbiturates on Anaerobic Halothane Metabolism in Rat Liver Microsomes. *Yutaka TAIRA, Kohyu FUJII, Hirosato KIKUCHI, Osafumi YUGE and Michio MORIO*

131 Analysis of Complications of Permanent Transvenous Implantable Cardiac Pacemaker Related to Operative and Postoperative Management in 717 Consecutive Patients. *Yuichiro MATSUURA, Hideki YAMASHINA, Masanori HIGO and Takanori FUJII*

139 Removal of Adherent Bacteria from Catheter Materials *in vitro* by N-Acylated Amino Acids. *Kazushi SEO, Hiroshi NAKANO, Tsuguru USUI, Yoichiro MIYAKE and Hidekazu SUGINAKA*

145 A Case of Cogenital Adrenal Hyperplasia with Concomitant Abnormalities of Steroid 21- and 11β-hydroxylase Activities. *Genshi EGUSA, Hiroshi MORI, Kiminori YAMANE, Midori OKAMURA, Kiyoshi ODA, Sakurako ISHIDA, Seijiro KADO, Hitoshi HARA and Michio YAMAKIDO*